

ABSTRACT

A locking arrangement for a door system of a transit vehicle includes a combination of a lock mechanism and an electromagnetic brake. The lock mechanism enables positive locking of at least one
5 door but does not require substantial contact between moving and stationary lock elements. The lock mechanism is connected with the manual release means for door opening during an emergency. The electromagnetic brake maintains door seal compression in the closed and locked condition which improves sealing capabilities and
10 provides for reliable lock mechanism operation. Such combination provides locking redundancy and meets various requirements regarding annunciation and manual release operation.